

**CLAIMS:**

1. A method comprising:

5 presenting a user interface for setting access rights to members of a data cube and  
access rights to transactional data from which the data cube was derived;  
formatting a web page based on the set access rights; and  
communicating the web page to a client device for display to a user.

2. The method of claim 1, wherein presenting the user interface comprises:

10 displaying a dimensional hierarchy for the data cube, wherein the dimensional  
hierarchy includes the dimensions and members included in an electronic report; and  
receiving input granting a user access to a subset of the displayed members and  
dimensions.

3. The method of claim 1, wherein presenting the user interface comprises:

15 displaying data fields from one or more database tables that store the transactional  
data; and  
receiving input granting a user access to a subset of the displayed fields.

20 4. The method of claim 1, wherein formatting a web page based on the set  
access rights comprises formatting a web page by which the user can compose an  
electronic report that includes multidimensional data of the accessible members of the  
data cube.

25 5. The method of claim 4 further comprising publishing the electronic report  
to include the accessible multidimensional data and a icon for viewing the accessible  
transactional data.

6. A method comprising:

30 storing a data cube having multidimensional data derived from transactional data;

controlling access to individual members and dimensions of the multidimensional data based on access rights set by a user; and

controlling access to the transactional data based on access rights set by the user.

5           7.       The method of claim 6, wherein controlling access to the individual members further comprises:

presenting an interactive environment for creating electronic reports of the multidimensional data; and

10           permitting an author of the electronic report to include only the accessible dimensions and members in the electronic report according to the set access rights.

8.       The method of claim 7, further comprising:

publishing the electronic report from the interactive environment to include the accessible multidimensional data and a icon for viewing the accessible transactional data

15           receiving input selecting a range of the multidimensional data displayed by the electronic report;

determining whether the user has access to transactional data corresponding to the selected range of the multidimensional data; and

20           displaying the corresponding transactional data based on the determination.

9.       A computer-readable medium having instructions thereon for causing a programmable processor to:

present a user interface for setting access rights to members of a data cube and access rights to transactional data from which the data cube was derived;

25           format a web page based on the set access rights; and

communicate the web page to a client device for display to a user.

10.      The computer-readable medium of claim 9 further including instructions to cause the processor to:

30           display a dimensional hierarchy for the data cube, wherein the dimensional hierarchy includes the dimensions and members included in an electronic report; and

receive input granting a user access to a subset of the displayed members and dimensions.

11. The computer-readable medium of claim 9 further including instructions  
5 to cause the processor to:  
displaying data fields from one or more database tables that store the transactional data; and  
receiving input granting a user access to a subset of the displayed fields.

10 12. The computer-readable medium of claim 9 further including instructions  
to cause the processor to:  
present an interactive environment for creating electronic reports of the  
multidimensional data; and  
15 permit an author of the electronic report to include only the accessible dimensions  
and members in the report according to the set access rights.

13. The computer-readable medium of claim 12 further including instructions  
to cause the processor to:  
20 publish the electronic report from the interactive environment to include the  
accessible multidimensional data and a icon for viewing the accessible transactional data  
receive input selecting a range of the multidimensional data displayed by the  
electronic report;  
determine whether the user has access to transactional data corresponding to the  
selected range of the multidimensional data; and  
25 display the corresponding transactional data based on the determination.

14. A system comprising:  
a database storing multidimensional data and transactional data;  
a server to present a user interface for setting access rights to members of a  
30 multidimensional data and access rights to transactional data; and

a page generation module executing on the server to generate a web page based on the set access rights.

5           15.     The system of claim 14, wherein the web page presents an interactive environment for creating electronic reports of the multidimensional data, and further wherein the page generation module formats the web page to permit an author of the electronic report to include only the accessible dimensions and members in the electronic report according to the set access rights.

10           16.     The system of claim 14, wherein the server determines whether the user has access to transactional data corresponding to a selected range of the multidimensional data and the page generation modules formats a web page to display the corresponding transactional data based on the determination.

15           17.     A computer-readable medium having data fields store thereon comprising:  
a first set of data field to store one or more identifiers for users;  
a second set of data fields to store cube-level access rights for the users, wherein the cube-level access rights are associated with dimensions and members of a data cube;  
and

20           a third set of data fields to store transactional data access rights for the users, wherein the transactional data access rights are associated with fields of tables that store transactional data from which the data cube was derived.

25           18.     The computer-readable medium of claim 17 further comprising a fourth set of data fields to store a set of groups, wherein each group relates to at least one of the user identifiers stored within the first set of data fields.